

RD 5416/00/US

Abstract

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Disposable unit for single use for the analysis of biological liquids, in particular cell suspensions such as blood, urine, or sperm, with a diluent chamber (5), a sample dosage device (6), and a measuring chamber (7). The sample dosage device (6) has a dosage element (8) into which a dosage capillary (13) is integrated. The dosage element (8) is situated movably in a dosage element chamber (12) in such a manner that one opening (14) of the dosage capillary (13) is connected to a sample loading zone (17) of the disposable unit (2) when the dosage element (8) is in its first position, and when it is in its second position, the diluent chamber (5) and the measuring chamber (7) are connected to one another via the dosage capillary (13). The measuring chamber (7) has a ventilation valve (35) which is permeable to gas but impermeable to the sample liquid, so that the chamber is completely filled free of any bubbles with the liquid (36) flowing into it.

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(Fig. 1)